VIA CERTIFIED MAIL
RETURN RECEIPT NO. 7006 2150 0001 5019 9396

June 30, 2008

Division of Water
KPDES Branch
Inventory & Data Management Section
Frankfort Office Park
14 Reilly Road
Frankfort, Kentucky 40601

Re: Application for Renewal of Permit No. KY0105023

Dear Madam/Sir:

Enclosed are completed application Form 1 and Form C for renewal of the KPDES permit to discharge non-process waters and storm water at the Commonwealth Agri-Energy, LLC fuel alcohol plant in Hopkinsville. In addition, a USGS topographic map, site plan, property boundary layout drawing, and water line drawing are provided for your review as attachments to the application forms.

Thank you for your review of this information. If you have any questions or need additional information, please contact Mr. David Gibson, Plant Engineer or me at (270) 475-4415.

Yours truly,

Commonwealth Agri-Energy, LLC

Mick Henderson
General Manager

KPDES FORM 1

46425

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.
- ☒ Apply for reissuance of expiring permit.
- ☐ Apply for a construction permit.
- ☐ Modify an existing permit.
  Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:
Form A, Form B, Form C, Form F, or Short Form C

$200.00 ck.

For additional information contact:
KPDES Branch (502) 564-3410

I. FACILITY LOCATION AND CONTACT INFORMATION

AGENCY USE: 0 1 0 5 0 2 3

A. Name of business, municipality, company, etc. requesting permit
Commonwealth Agri-Energy, LLC

B. Facility Name and Location	C. Facility Owner/Mailing Address
Facility Location Name: Commonwealth Agri-Energy, LLC	Owner Name: Commonwealth Agri-Energy, LLC
Facility Location Address (i.e. street, road, etc.): 4895 Pembroke Road	Mailing Street: 4895 Pembroke Road
Facility Location City, State, Zip Code: Hopkinsville, KY 42240	Mailing City, State, Zip Code: Hopkinsville, KY 42240
	Telephone Number: (270) 475-4415

II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc: Renewal of NPDES permit for 35-million-gallon-per-year fuel alcohol plant with discharge of storm water and non-contact cooling waters and blowdowns.

B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code & Description:	2869 Industrial Organic Chemicals, NEC (ethyl alcohol)		
Other SIC Codes:			

III. FACILITY LOCATION

A. Attach a U.S. Geological Survey 7 ½ minute quadrangle map for the site. (See instructions)

B. County where facility is located: Christian	City where facility is located (if applicable): Hopkinsville
C. Body of water receiving discharge: storm water retention pond, on-site quarry lake, and unnamed tributary of Rock Bridge Branch of the Little River	
D. Facility Site Latitude (degrees, minutes, seconds): 36 48 30	Facility Site Longitude (degrees, minutes, seconds): 87 25 00
E. Method used to obtain latitude & longitude (see instructions):	USGS topographic map coordinates
F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):	049938913

IV. OWNER/OPERATOR INFORMATION

A. Type of Ownership: X Farmer-owned Cooperative

☐ Publicly Owned ☐ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned

B. Operator Contact Information (See instructions)

Name of Treatment Plant Operator:	Telephone Number:
N/A	
Operator Mailing Address (Street):	
Operator Mailing Address (City, State, Zip Code):	
Is the operator also the owner? Yes ☐ No ☐	Is the operator certified? If yes, list certification class and number below. Yes ☐ No ☐
Certification Class:	Certification Number:

V. EXISTING ENVIRONMENTAL PERMITS

Current NPDES Number:	Issue Date of Current Permit:	Expiration Date of Current Permit:
KY0105023	May 1, 2004	December 31, 2008
Number of Times Permit Reissued:	Date of Original Permit Issuance:	Sludge Disposal Permit Number:
0	May 1, 2004	
Kentucky DOW Operational Permit #:	Kentucky DSMRE Permit Number(s):	

C. Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source	S-06-021	
Solid or Special Waste		
Hazardous Waste - Registration or Permit		

VI. DISCHARGE MONITORING REPORTS (DMRs)

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). The information in this section serves to specifically identify the department, office or individual you designate as responsible for submitting DMR forms to the Division of Water.

A. Name of department, office or official submitting DMRs:	Mick Henderson - General Manager
B. Address where DMR forms are to be sent. (Complete only if address is different from mailing address in Section I.)	
DMR Mailing Name:	Same as Section I.
DMR Mailing Street:	
DMR Mailing City, State, Zip Code:	
DMR Official Telephone Number:	

VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. Descriptions of the base fee amounts are given in the "General Instructions."

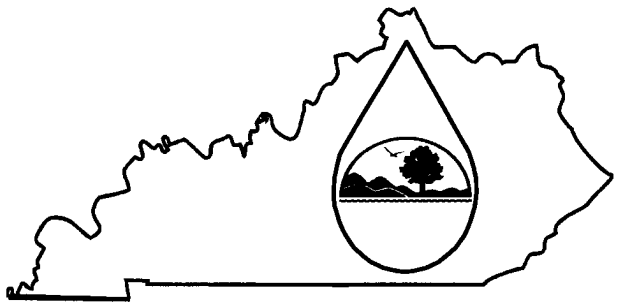
Facility Fee Category:	Filing Fee Enclosed:
Non-Process Industry	$200

VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Mick Henderson - General Manager	(270) 475-4415
SIGNATURE 	DATE: June 30, 2008

KPDES FORM C



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Commonwealth Agri-Energy, LLC	County: Christian
I. OUTFALL LOCATION	AGENCY USE

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
001	36	48	34	87	24	52	storm water retention pond which runs into the on-site quarry lake
002	36	48	24	87	24	59	drainage ditch which runs into the Rock Bridge of the South Fork of the Little River
003	36	48	26	87	25	03	drainage ditch which runs into the on-site quarry lake
004	36	48	29	87	25	05	same as 002

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
001	cooling water return (once-through, non-contact)	820 gal/min	N/A	
	boiler blowdown	1 gal/min	N/A	
	reverse osmosis blowdown	22 gal/min	N/A	

	softener blowdown	1 gal/min	N/A	
	storm water	3 gal/min	N/A	
002	storm water	3 gal/min	N/A	
003	storm water	3 gal/min	N/A	
004	storm water	3 gal/min	N/A	

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ Yes (Complete the following table.) ☒ No (Go to Section III.)

OUTFALL NUMBER (list)	OPERATIONS CONTRIBUTING FLOW (list)	FREQUENCY		FLOW				
		Days Per Week (specify average)	Months Per Year (specify average)	Flow Rate (in mgd)		Total volume (specify with units)		Duration (in days)
				Long-Term Average	Maximum Daily	Long-Term Average	Maximum Daily	

III. MAXIMUM PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☒ Yes (Complete Item III-B) List effluent guideline category: Part 414 Organic Chemicals, Plastics, and Synthetic Fibers

☐ No (Go to Section IV)

Subpart F Commodity Organic Chemicals

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)? (414.60)

☐ Yes (Complete Item III-C) ☒ No (Go to Section IV)

TSS

pH

BOD5

C. If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

MAXIMUM QUANTITY			Affected Outfalls (list outfall numbers)
Quantity Per Day	Units of Measure	Operation, Product, Material, Etc. (specify)	

IV. IMPROVEMENTS

A. Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

☐ Yes (Complete the following table) ☒ No (Go to Item IV-B)

IDENTIFICATION OF CONDITION AGREEMENT, ETC.	AFFECTED OUTFALLS		BRIEF DESCRIPTION OF PROJECT	FINAL COMPLIANCE DATE	
	No.	Source of Discharge		Required	Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

POLLUTANT	SOURCE	POLLUTANT	SOURCE
N/A			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you use or produce, or expect to use or produce over the next 5 years as an immediate or final product or byproduct?

☐ Yes (List all such pollutants below) ☒ No (Go to Item VI-B)

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharge of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

☐ Yes (Complete Item VI-C) ☒ No (Go to Item VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail to the best of your ability at this time the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years. Continue on additional sheets if you need more space.

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (Identify the test(s) and describe their purposes below) ☒ No (Go to Section VIII)

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☐ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below) ☒ No (Go to Section IX)

NAME	ADDRESS	TELEPHONE (Area code & number)	POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Mick Henderson - General Manager	(270) 475-4415
SIGNATURE 	DATE June 30, 2008

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C) — **OUTFALL NO.** 001

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	13						1*	mg/L				
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE 1.18		VALUE		VALUE		1*	MGD		VALUE		
g. Temperature (winter)	VALUE < 90 F		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE <90 F		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM	MAXIMUM 7.69	MINIMUM	MAXIMUM			1*	STANDARD UNITS				

* DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
a. Bromide (24959-67-9)		x												
b. Bromine Total Residual		x												
c. Chloride		x												
d. Chlorine, Total Residual		x												
e. Color		x												
f. Fecal Coliform		x												
g. Fluoride (16984-48-8)		x												
h. Hardness (as $CaCO_3$)	x		91.8						1*	mg/L				
i. Nitrate – Nitrite (as N)	x													
j. Nitrogen, Total Organic (as N)		x												
k. Oil and Grease	x		2.2						1*	mg/L				
l. Phosphorous (as P), Total 7723-14-0		x												
m. Radioactivity														
(1) Alpha, Total		x												
(2) Beta, Total		x												
(3) Radium Total		x												
(4) Radium, 226, Total		x												

Part B - Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
n. Sulfate (as SO_4) (14808-79-8)	x													
o. Sulfide (as S)		x												
p. Sulfite (as SO_4) (14286-46-3)		x												
q. Surfactants		x												
r. Aluminum, Total (7429-90)		x												
s. Barium, Total (7440-39-3)		x												
t. Boron, Total (7440-42-8)		x												
u. Cobalt, Total (7440-48-4)		x												
v. Iron, Total (7439-89-6)		x												
w. Magnesium Total (7439-96-4)		x												
x. Molybdenum Total (7439-98-7)		x												
y. Manganese, Total (7439-96-6)	x		4.77						1*	mg/L				
z. Tin, Total (7440-31-5)		x												
aa. Titanium, Total (7440-32-6)		x												

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark "X: in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
METALS, CYANIDE AND TOTAL PHENOLS															
1M. Antimony Total (7440-36-0)	x			< 0.01						1*	mg/L				
2M. Arsenic, Total (7440-38-2)	x			< 0.01						1*	mg/L				
3M. Beryllium Total (7440-41-7)	x			< 0.001						1*	mg/L				
4M. Cadmium Total (7440-43-9)	x			< 0.002						1*	mg/L				
5M. Chromium Total (7440-43-9)	x			< 0.005						1*	mg/L				
6M. Copper Total (7550-50-8)	x			0.006						1*	mg/L				
7M. Lead Total (7439-92-1)	x			< 0.006						1*	mg/L				
8M. Mercury Total (7439-97-6)	x			< 0.0002						1*	mg/L				
9M. Nickel, Total (7440-02-0)	x			< 0.005						1*	mg/L				
10M. Selenium, Total (7782-49-2)	x			< 0.01						1*	mg/L				
11M. Silver, Total (7440-28-0)	x			< 0.005						1*	mg/L				

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
METALS, CYANIDE AND TOTAL PHENOLS (Continued)															
12M. Thallium, Total (7440-28-0)	x			< 0.02						1*	mg/L				
13M. Zinc, Total (7440-66-6)	x			0.011						1*	mg/L				
14M. Cyanide, Total (57-12-5)			x												
15M. Phenols, Total			x												
DIOXIN															
2,3,7,8 Tetra-chlorodibenzo, P, Dioxin (1784-01-6)			x	DESCRIBE RESULTS:											
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			x												
2V. Acrylonitrile (107-13-1)			x												
3V. Benzene (71-43-2)			x												
5V. Bromoform (75-25-2)			x												
6V. Carbon Tetrachloride (56-23-5)			x												
7V. Chloro-benzene (108-90-7)			x												
8V. Chlorodibro-momethane (124-48-1)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
9V. Chloroethane (74-00-3)			x												
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			x												
11V. Chloroform (67-66-3)			x												
12V. Dichloro-bromomethane (75-71-8)			x												
14V. 1,1-Dichloroethane (75-34-3)			x												
15V. 1,2-Dichloroethane (107-06-2)			x												
16V. 1,1-Dichlorethylene (75-35-4)			x												
17V. 1,2-Di-chloropropane (78-87-5)			x												
18V. 1,3-Dichloropro-pylene (452-75-6)			x												
19V. Ethyl-benzene (100-41-4)			x												
20V. Methyl Bromide (74-83-9)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
21V. Methyl Chloride (74-87-3)			x												
22V. Methylene Chloride (75-00-2)			x												
23V. 1,1,2,2-Tetrachloro-ethane (79-34-5)			x												
24V. Tetrachloro-ethylene (127-18-4)			x												
25V. Toluene (108-88-3)			x												
26V. 1,2-Trans-Dichloro-ethylene (156-60-5)			x												
27V. 1,1,1-Tri-chloroethane (71-55-6)			x												
28V. 1,1,2-Tri-chloroethane (79-00-5)			x												
29V. Trichloro-ethylene (79-01-6)			x												
30V. Vinyl Chloride (75-01-4)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			x												
2A. 2,4-Dichlorophenol (120-83-2)			x												
3A. 2,4-Dimethylphenol (105-67-9)			x												
4A. 4,6-Dinitro-o-cresol (534-52-1)			x												
5A. 2,4-Dinitrophenol (51-28-5)			x												
6A. 2-Nitrophenol (88-75-5)			x												
7A. 4-Nitrophenol (100-02-7)			x												
8A. P-chloro-m-cresol (59-50-7)			x												
9A. Pentachlorophenol (87-88-5)			x												
10A. Phenol (108-05-2)			x												
11A. 2,4,6-Trichlorophenol (88-06-2)			x												
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acenaphtylene (208-96-8)			x												
3B. Anthracene (120-12-7)			x												
4B. Benzidine (92-87-5)			x												
5B. Benzo(a)-anthracene (56-55-3)			x												
6B. Benzo(a)-pyrene (50-32-8)			x												
7B. 3,4-Benzofluoranthene (205-99-2)			x												
8B. Benzo(ghl) perylene (191-24-2)			x												
9B. Benzo(k)-fluoranthene (207-08-9)			x												
10B. Bis(2-chloroethoxy)-methane (111-91-1)			x												
11B. Bis (2-chloroisopropyl)-Ether			x												
12B. Bis (2-ethylhexyl)-phthalate (117-81-7)			x												

Part C – Continued																
1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			x												
14B. Butyl-benzyl phthalate (85-68-7)			x												
15B. 2-Chloro-naphthalene (7005-72-3)			x												
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			x												
17B. Chrysene (218-01-9)			x												
18B. Dibenzo-(a,h) Anthracene (53-70-3)			x												
19B. 1,2-Dichloro-benzene (95-50-1)			x												
20B. 1,3-Dichloro-Benzene (541-73-1)			x												
21B. 1,4-Dichloro-benzene (106-46-7)			x												
22B. 3,3-Dichloro-benzidene (91-94-1)			x												
23B. Diethyl Phthalate (84-66-2)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			x												
25B. Di-N-butyl Phthalate (84-74-2)			x												
26B. 2,4-Dinitro-toluene (121-14-2)			x												
27B. 2,6-Dinitro-toluene (606-20-2)			x												
28B. Di-n-octyl Phthalate (117-84-0)			x												
29B. 1,2-diphenyl-hydrazine (as azonbenzene) (122-66-7)			x												
30B. Fluoranthene (208-44-0)			x												
31B. Fluorene (86-73-7)			x												
32B. Hexachloro-benzene (118-71-1)			x												
33B. Hexachloro-butadiene (87-68-3)			x												
34B. Hexachloro-cyclopenta-diene (77-47-4)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachloroethane (67-72-1)			x												
36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5)			x												
37B. Isophorone (78-59-1)			x												
38B. Napthalene (91-20-3)			x												
39B. Nitrobenzene (98-95-3)			x												
40B. N-Nitrosodimethylamine (62-75-9)			x												
41B. N-nitrosodi-n-propylamine (621-64-7)			x												
42B. N-nitrosodiphenylamine (86-30-6)			x												
43B. Phenanthrene (85-01-8)			x												
44B. Pyrene (129-00-0)			x												
45B. 1,2,4 Trichlorobenzene (120-82-1)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			x												
2P. α-BHC (319-84-6)			x												
3P. β-BHC (58-89-9)			x												
4P. gamma-BHC (58-89-9)			x												
5P. δ-BHC (319-86-8)			x												
6P. Chlordane (57-74-9)			x												
7P. 4,4'-DDT (50-29-3)			x												
8P. 4,4'-DDE (72-55-9)			x												
9P. 4,4'-DDD (72-54-8)			x												
10P. Dieldrin (60-57-1)			x												
11P. α-Endosulfan (115-29-7)			x												
12P. β-Endosulfan (115-29-7)			x												
13P. Endosulfan Sulfate (1031-07-8)			x												
14P. Endrin (72-20-8)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			x												
16P Heptachlor (76-44-8)			x												
17P. Heptaclor Epoxide (1024-57-3)			x												
18P. PCB-1242 (53469-21-9)			x												
19P. PCB-1254 (11097-69-1)			x												
20P. PCB-1221 (11104-28-2)			x												
21P. PCB-1232 (11141-16-5)			x												
22P. PCB-1248 (12672-29-6)			x												
23P. PCB-1260 (11096-82-5)			x												
24P. PCB-1016 (12674-11-2)			x												
25P. Toxaphene (8001-35-2)			x												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C) — **OUTFALL NO.** 002

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	13						1*	mg/L				
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE 0.073		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE < 90 F		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE <90 F		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM	MAXIMUM 7.53	MINIMUM	MAXIMUM			1*	STANDARD UNITS				

* DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
a. Bromide (24959-67-9)		x												
b. Bromine Total Residual		x												
c. Chloride		x												
d. Chlorine, Total Residual		x												
e. Color		x												
f. Fecal Coliform		x												
g. Fluoride (16984-48-8)		x												
h. Hardness (as $CaCO_3$)	x		108						1*	mg/L				
i. Nitrate – Nitrite (as N)	x													
j. Nitrogen, Total Organic (as N)		x												
k. Oil and Grease	x		< 1.7						1*	mg/L				
l. Phosphorous (as P), Total 7723-14-0		x												
m. Radioactivity														
(1) Alpha, Total		x												
(2) Beta, Total		x												
(3) Radium Total		x												
(4) Radium, 226, Total		x												

Part B - Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
n. Sulfate (as SO_4) (14808-79-8)	x													
o. Sulfide (as S)		x												
p. Sulfite (as SO_4) (14286-46-3)		x												
q. Surfactants		x												
r. Aluminum, Total (7429-90)		x												
s. Barium, Total (7440-39-3)		x												
t. Boron, Total (7440-42-8)		x												
u. Cobalt, Total (7440-48-4)		x												
v. Iron, Total (7439-89-6)		x												
w. Magnesium Total (7439-96-4)	x		4.78						1*	mg/L				
x. Molybdenum Total (7439-98-7)		x												
y. Manganese, Total (7439-96-6)		x												
z. Tin, Total (7440-31-5)		x												
aa. Titanium, Total (7440-32-6)		x												

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark "X: in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
METALS, CYANIDE AND TOTAL PHENOLS															
1M. Antimony Total (7440-36-0)	x			< 0.01						1*	mg/L				
2M. Arsenic, Total (7440-38-2)	x			< 0.01						1*	mg/L				
3M. Beryllium Total (7440-41-7)	x			< 0.001						1*	mg/L				
4M. Cadmium Total (7440-43-9)	x			< 0.002						1*	mg/L				
5M. Chromium Total (7440-43-9)	x			< 0.005						1*	mg/L				
6M. Copper Total (7550-50-8)	x			< 0.005						1*	mg/L				
7M. Lead Total (7439-92-1)	x			< 0.006						1*	mg/L				
8M. Mercury Total (7439-97-6)	x			< 0.0002						1*	mg/L				
9M. Nickel, Total (7440-02-0)	x			< 0.005						1*	mg/L				
10M. Selenium, Total (7782-49-2)	x			< 0.01						1*	mg/L				
11M. Silver, Total (7440-28-0)	x			< 0.005						1*	mg/L				

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
METALS, CYANIDE AND TOTAL PHENOLS (Continued)															
12M. Thallium, Total (7440-28-0)	x			< 0.02						1*	mg/L				
13M. Zinc, Total (7440-66-6)	x			< 0.01						1*	mg/L				
14M. Cyanide, Total (57-12-5)			x												
15M. Phenols, Total			x												
DIOXIN															
2,3,7,8 Tetra-chlorodibenzo, P, Dioxin (1784-01-6)			x	DESCRIBE RESULTS:											
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			x												
2V. Acrylonitrile (107-13-1)			x												
3V. Benzene (71-43-2)			x												
5V. Bromoform (75-25-2)			x												
6V. Carbon Tetrachloride (56-23-5)			x												
7V. Chloro-benzene (108-90-7)			x												
8V. Chlorodibro-momethane (124-48-1)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
9V. Chloroethane (74-00-3)			x												
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			x												
11V. Chloroform (67-66-3)			x												
12V. Dichloro-bromomethane (75-71-8)			x												
14V. 1,1-Dichloroethane (75-34-3)			x												
15V. 1,2-Dichloroethane (107-06-2)			x												
16V. 1,1-Dichlorethylene (75-35-4)			x												
17V. 1,2-Di-chloropropane (78-87-5)			x												
18V. 1,3-Dichloropro-pylene (452-75-6)			x												
19V. Ethyl-benzene (100-41-4)			x												
20V. Methyl Bromide (74-83-9)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
21V. Methyl Chloride (74-87-3)			x												
22V. Methylene Chloride (75-00-2)			x												
23V. 1,1,2,2-Tetrachloro-ethane (79-34-5)			x												
24V. Tetrachloro-ethylene (127-18-4)			x												
25V. Toluene (108-88-3)			x												
26V. 1,2-Trans-Dichloro-ethylene (156-60-5)			x												
27V. 1,1,1-Tri-chloroethane (71-55-6)			x												
28V. 1,1,2-Tri-chloroethane (79-00-5)			x												
29V. Trichloro-ethylene (79-01-6)			x												
30V. Vinyl Chloride (75-01-4)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chloro-phenol (95-57-8)			x												
2A. 2,4-Dichlor-Orophenol (120-83-2)			x												
3A. 2,4-Dimeth-ylphenol (105-67-9)			x												
4A. 4,6-Dinitro-o-cresol (534-52-1)			x												
5A. 2,4-Dinitro-phenol (51-28-5)			x												
6A. 2-Nitro-phenol (88-75-5)			x												
7A. 4-Nitro-phenol (100-02-7)			x												
8A. P-chloro-m-cresol (59-50-7)			x												
9A. Pentachloro-phenol (87-88-5)			x												
10A. Phenol (108-05-2)			x												
11A. 2,4,6-Tri-chlorophenol (88-06-2)			x												
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acena-phthene (83-32-9)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acenaphtylene (208-96-8)			x												
3B. Anthracene (120-12-7)			x												
4B. Benzidine (92-87-5)			x												
5B. Benzo(a)-anthracene (56-55-3)			x												
6B. Benzo(a)-pyrene (50-32-8)			x												
7B. 3,4-Benzofluoranthene (205-99-2)			x												
8B. Benzo(ghl) perylene (191-24-2)			x												
9B. Benzo(k)-fluoranthene (207-08-9)			x												
10B. Bis(2-chloroethoxy)-methane (111-91-1)			x												
11B. Bis (2-chloroisopropyl)-Ether			x												
12B. Bis (2-ethylhexyl)-phthalate (117-81-7)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			x												
14B. Butyl-benzyl phthalate (85-68-7)			x												
15B. 2-Chloro-naphthalene (7005-72-3)			x												
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			x												
17B. Chrysene (218-01-9)			x												
18B. Dibenzo-(a,h) Anthracene (53-70-3)			x												
19B. 1,2-Dichloro-benzene (95-50-1)			x												
20B. 1,3-Dichloro-Benzene (541-73-1)			x												
21B. 1,4-Dichloro-benzene (106-46-7)			x												
22B. 3,3-Dichloro-benzidene (91-94-1)			x												
23B. Diethyl Phthalate (84-66-2)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			x												
25B. Di-N-butyl Phthalate (84-74-2)			x												
26B. 2,4-Dinitro-toluene (121-14-2)			x												
27B. 2,6-Dinitro-toluene (606-20-2)			x												
28B. Di-n-octyl Phthalate (117-84-0)			x												
29B. 1,2-diphenyl-hydrazine (as azonbenzene) (122-66-7)			x												
30B. Fluoranthene (208-44-0)			x												
31B. Fluorene (86-73-7)			x												
32B. Hexachloro-benzene (118-71-1)			x												
33B. Hexachloro-butadiene (87-68-3)			x												
34B. Hexachloro-cyclopenta-diene (77-47-4)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachloroethane (67-72-1)			x												
36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5)			x												
37B. Isophorone (78-59-1)			x												
38B. Napthalene (91-20-3)			x												
39B. Nitrobenzene (98-95-3)			x												
40B. N-Nitrosodimethylamine (62-75-9)			x												
41B. N-nitrosodi-n-propylamine (621-64-7)			x												
42B. N-nitrosodiphenylamine (86-30-6)			x												
43B. Phenanthrene (85-01-8)			x												
44B. Pyrene (129-00-0)			x												
45B. 1,2,4 Trichlorobenzene (120-82-1)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			x												
2P. α-BHC (319-84-6)			x												
3P. β-BHC (58-89-9)			x												
4P. gamma-BHC (58-89-9)			x												
5P. δ-BHC (319-86-8)			x												
6P. Chlordane (57-74-9)			x												
7P. 4,4'-DDT (50-29-3)			x												
8P. 4,4'-DDE (72-55-9)			x												
9P. 4,4'-DDD (72-54-8)			x												
10P. Dieldrin (60-57-1)			x												
11P. α-Endosulfan (115-29-7)			x												
12P. β-Endosulfan (115-29-7)			x												
13P. Endosulfan Sulfate (1031-07-8)			x												
14P. Endrin (72-20-8)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			x												
16P Heptachlor (76-44-8)			x												
17P. Heptaclor Epoxide (1024-57-3)			x												
18P. PCB-1242 (53469-21-9)			x												
19P. PCB-1254 (11097-69-1)			x												
20P. PCB-1221 (11104-28-2)			x												
21P. PCB-1232 (11141-16-5)			x												
22P. PCB-1248 (12672-29-6)			x												
23P. PCB-1260 (11096-82-5)			x												
24P. PCB-1016 (12674-11-2)			x												
25P. Toxaphene (8001-35-2)			x												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C) — **OUTFALL NO.** 003

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	10						1*	mg/L				
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE 0.073		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE < 90 F		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE <90 F		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM	MAXIMUM 7.94	MINIMUM	MAXIMUM			1*	STANDARD UNITS				

* DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
a. Bromide (24959-67-9)		x												
b. Bromine Total Residual		x												
c. Chloride		x												
d. Chlorine, Total Residual		x												
e. Color		x												
f. Fecal Coliform		x												
g. Fluoride (16984-48-8)		x												
h. Hardness (as $CaCO_3$)	x		108						1	mg/L				
i. Nitrate – Nitrite (as N)	x													
j. Nitrogen, Total Organic (as N)		x												
k. Oil and Grease	x		2.2						1	mg/L				
l. Phosphorous (as P), Total 7723-14-0		x												
m. Radioactivity														
(1) Alpha, Total		x												
(2) Beta, Total		x												
(3) Radium Total		x												
(4) Radium, 226, Total		x												

Part B - Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
n. Sulfate (as SO_4) (14808-79-8)	x													
o. Sulfide (as S)		x												
p. Sulfite (as SO_4) (14286-46-3)		x												
q. Surfactants		x												
r. Aluminum, Total (7429-90)		x												
s. Barium, Total (7440-39-3)		x												
t. Boron, Total (7440-42-8)		x												
u. Cobalt, Total (7440-48-4)		x												
v. Iron, Total (7439-89-6)		x												
w. Magnesium Total (7439-96-4)	x		4.82						1*	mg/L				
x. Molybdenum Total (7439-98-7)		x												
y. Manganese, Total (7439-96-6)		x												
z. Tin, Total (7440-31-5)		x												
aa. Titanium, Total (7440-32-6)		x												

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark "X: in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
METALS, CYANIDE AND TOTAL PHENOLS															
1M. Antimony Total (7440-36-0)	x			< 0.01						1*	mg/L				
2M. Arsenic, Total (7440-38-2)	x			< 0.01						1*	mg/L				
3M. Beryllium Total (7440-41-7)	x			< 0.001						1*	mg/L				
4M. Cadmium Total (7440-43-9)	x			< 0.002						1*	mg/L				
5M. Chromium Total (7440-43-9)	x			< 0.005						1*	mg/L				
6M. Copper Total (7550-50-8)	x			0.006						1*	mg/L				
7M. Lead Total (7439-92-1)	x			< 0.006						1*	mg/L				
8M. Mercury Total (7439-97-6)	x			< 0.0002						1*	mg/L				
9M. Nickel, Total (7440-02-0)	x			< 0.005						1*	mg/L				
10M. Selenium, Total (7782-49-2)	x			< 0.01						1*	mg/L				
11M. Silver, Total (7440-28-0)	x			< 0.005						1*	mg/L				

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
METALS, CYANIDE AND TOTAL PHENOLS (Continued)															
12M. Thallium, Total (7440-28-0)	x			< 0.02						1*	mg/L				
13M. Zinc, Total (7440-66-6)	x			< 0.01						1*	mg/L				
14M. Cyanide, Total (57-12-5)			x												
15M. Phenols, Total			x												
DIOXIN															
2,3,7,8 Tetra-chlorodibenzo, P, Dioxin (1784-01-6)			x	DESCRIBE RESULTS:											
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			x												
2V. Acrylonitrile (107-13-1)			x												
3V. Benzene (71-43-2)			x												
5V. Bromoform (75-25-2)			x												
6V. Carbon Tetrachloride (56-23-5)			x												
7V. Chloro-benzene (108-90-7)			x												
8V. Chlorodibro-momethane (124-48-1)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
9V. Chloroethane (74-00-3)			x												
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			x												
11V. Chloroform (67-66-3)			x												
12V. Dichloro-bromomethane (75-71-8)			x												
14V. 1,1-Dichloroethane (75-34-3)			x												
15V. 1,2-Dichloroethane (107-06-2)			x												
16V. 1,1-Dichlorethylene (75-35-4)			x												
17V. 1,2-Di-chloropropane (78-87-5)			x												
18V. 1,3-Dichloropro-pylene (452-75-6)			x												
19V. Ethyl-benzene (100-41-4)			x												
20V. Methyl Bromide (74-83-9)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
21V. Methyl Chloride (74-87-3)			x												
22V. Methylene Chloride (75-00-2)			x												
23V. 1,1,2,2-Tetrachloro-ethane (79-34-5)			x												
24V. Tetrachloro-ethylene (127-18-4)			x												
25V. Toluene (108-88-3)			x												
26V. 1,2-Trans-Dichloro-ethylene (156-60-5)			x												
27V. 1,1,1-Tri-chloroethane (71-55-6)			x												
28V. 1,1,2-Tri-chloroethane (79-00-5)			x												
29V. Trichloro-ethylene (79-01-6)			x												
30V. Vinyl Chloride (75-01-4)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chloro-phenol (95-57-8)			x												
2A. 2,4-Dichlor-Orophenol (120-83-2)			x												
3A. 2,4-Dimeth-ylphenol (105-67-9)			x												
4A. 4,6-Dinitro-o-cresol (534-52-1)			x												
5A. 2,4-Dinitro-phenol (51-28-5)			x												
6A. 2-Nitro-phenol (88-75-5)			x												
7A. 4-Nitro-phenol (100-02-7)			x												
8A. P-chloro-m-cresol (59-50-7)			x												
9A. Pentachloro-phenol (87-88-5)			x												
10A. Phenol (108-05-2)			x												
11A. 2,4,6-Tri-chlorophenol (88-06-2)			x												
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acena-phthene (83-32-9)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acenaphtylene (208-96-8)			x												
3B. Anthracene (120-12-7)			x												
4B. Benzidine (92-87-5)			x												
5B. Benzo(a)-anthracene (56-55-3)			x												
6B. Benzo(a)-pyrene (50-32-8)			x												
7B. 3,4-Benzofluoranthene (205-99-2)			x												
8B. Benzo(ghl) perylene (191-24-2)			x												
9B. Benzo(k)-fluoranthene (207-08-9)			x												
10B. Bis(2-chloroethoxy)-methane (111-91-1)			x												
11B. Bis (2-chloroisopropyl)-Ether			x												
12B. Bis (2-ethylhexyl)-phthalate (117-81-7)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			x												
14B. Butyl-benzyl phthalate (85-68-7)			x												
15B. 2-Chloro-naphthalene (7005-72-3)			x												
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			x												
17B. Chrysene (218-01-9)			x												
18B. Dibenzo-(a,h) Anthracene (53-70-3)			x												
19B. 1,2-Dichloro-benzene (95-50-1)			x												
20B. 1,3-Dichloro-Benzene (541-73-1)			x												
21B. 1,4-Dichloro-benzene (106-46-7)			x												
22B. 3,3-Dichloro-benzidene (91-94-1)			x												
23B. Diethyl Phthalate (84-66-2)			x												

Part C – Continued																
1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			x												
25B. Di-N-butyl Phthalate (84-74-2)			x												
26B. 2,4-Dinitro-toluene (121-14-2)			x												
27B. 2,6-Dinitro-toluene (606-20-2)			x												
28B. Di-n-octyl Phthalate (117-84-0)			x												
29B. 1,2-diphenyl-hydrazine (as azonbenzene) (122-66-7)			x												
30B. Fluoranthene (208-44-0)			x												
31B. Fluorene (86-73-7)			x												
32B. Hexachloro-benzene (118-71-1)			x												
33B. Hexachloro-butadiene (87-68-3)			x												
34B. Hexachloro-cyclopenta-diene (77-47-4)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachloroethane (67-72-1)			x												
36B. Indeno-(1,2,3-oc)-Pyrene (193-39-5)			x												
37B. Isophorone (78-59-1)			x												
38B. Napthalene (91-20-3)			x												
39B. Nitrobenzene (98-95-3)			x												
40B. N-Nitrosodimethylamine (62-75-9)			x												
41B. N-nitrosodi-n-propylamine (621-64-7)			x												
42B. N-nitrosodiphenylamine (86-30-6)			x												
43B. Phenanthrene (85-01-8)			x												
44B. Pyrene (129-00-0)			x												
45B. 1,2,4 Trichlorobenzene (120-82-1)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			x												
2P. α-BHC (319-84-6)			x												
3P. β-BHC (58-89-9)			x												
4P. gamma-BHC (58-89-9)			x												
5P. δ-BHC (319-86-8)			x												
6P. Chlordane (57-74-9)			x												
7P. 4,4'-DDT (50-29-3)			x												
8P. 4,4'-DDE (72-55-9)			x												
9P. 4,4'-DDD (72-54-8)			x												
10P. Dieldrin (60-57-1)			x												
11P. α-Endosulfan (115-29-7)			x												
12P. β-Endosulfan (115-29-7)			x												
13P. Endosulfan Sulfate (1031-07-8)			x												
14P. Endrin (72-20-8)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			x												
16P Heptachlor (76-44-8)			x												
17P. Heptaclor Epoxide (1024-57-3)			x												
18P. PCB-1242 (53469-21-9)			x												
19P. PCB-1254 (11097-69-1)			x												
20P. PCB-1221 (11104-28-2)			x												
21P. PCB-1232 (11141-16-5)			x												
22P. PCB-1248 (12672-29-6)			x												
23P. PCB-1260 (11096-82-5)			x												
24P. PCB-1016 (12674-11-2)			x												
25P. Toxaphene (8001-35-2)			x												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C) — **OUTFALL NO.** 004

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	11						1*	mg/L				
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE	0.073	VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE	< 90 F	VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE	<90 F	VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM	MAXIMUM 7.88	MINIMUM	MAXIMUM			1*	STANDARD UNITS				

* DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
a. Bromide (24959-67-9)		x												
b. Bromine Total Residual		x												
c. Chloride		x												
d. Chlorine, Total Residual		x												
e. Color		x												
f. Fecal Coliform		x												
g. Fluoride (16984-48-8)		x												
h. Hardness (as $CaCO_3$)	x		97.7						1	mg/L				
i. Nitrate – Nitrite (as N)	x													
j. Nitrogen, Total Organic (as N)		x												
k. Oil and Grease	x		1.8						1	mg/L				
l. Phosphorous (as P), Total 7723-14-0		x												
m. Radioactivity														
(1) Alpha, Total		x												
(2) Beta, Total		x												
(3) Radium Total		x												
(4) Radium, 226, Total		x												

Part B - Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
n. Sulfate (as SO_4) (14808-79-8)	x													
o. Sulfide (as S)		x												
p. Sulfite (as SO_4) (14286-46-3)		x												
q. Surfactants		x												
r. Aluminum, Total (7429-90)		x												
s. Barium, Total (7440-39-3)		x												
t. Boron, Total (7440-42-8)		x												
u. Cobalt, Total (7440-48-4)		x												
v. Iron, Total (7439-89-6)		x												
w. Magnesium Total (7439-96-4)	x		5.29						1*	mg/L				
x. Molybdenum Total (7439-98-7)		x												
y. Manganese, Total (7439-96-6)		x												
z. Tin, Total (7440-31-5)		x												
aa. Titanium, Total (7440-32-6)		x												

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark "X: in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
METALS, CYANIDE AND TOTAL PHENOLS															
1M. Antimony Total (7440-36-0)	x			< 0.01						1*	mg/L				
2M. Arsenic, Total (7440-38-2)	x			< 0.01						1*	mg/L				
3M. Beryllium Total (7440-41-7)	x			< 0.001						1*	mg/L				
4M. Cadmium Total (7440-43-9)	x			< 0.002						1*	mg/L				
5M. Chromium Total (7440-43-9)	x			< 0.005						1*	mg/L				
6M. Copper Total (7550-50-8)	x			< 0.006						1*	mg/L				
7M. Lead Total (7439-92-1)	x			< 0.006						1*	mg/L				
8M. Mercury Total (7439-97-6)	x			< 0.0002						1*	mg/L				
9M. Nickel, Total (7440-02-0)	x			< 0.005						1*	mg/L				
10M. Selenium, Total (7782-49-2)	x			< 0.01						1*	mg/L				
11M. Silver, Total (7440-28-0)	x			< 0.005						1*	mg/L				

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
METALS, CYANIDE AND TOTAL PHENOLS (Continued)															
12M. Thallium, Total (7440-28-0)	x			< 0.02						1*	mg/L				
13M. Zinc, Total (7440-66-6)	x			0.065						1*	mg/L				
14M. Cyanide, Total (57-12-5)			x												
15M. Phenols, Total			x												
DIOXIN															
2,3,7,8 Tetra-chlorodibenzo, P, Dioxin (1784-01-6)			x	DESCRIBE RESULTS:											
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			x												
2V. Acrylonitrile (107-13-1)			x												
3V. Benzene (71-43-2)			x												
5V. Bromoform (75-25-2)			x												
6V. Carbon Tetrachloride (56-23-5)			x												
7V. Chloro-benzene (108-90-7)			x												
8V. Chlorodibro-momethane (124-48-1)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
9V. Chloroethane (74-00-3)			x												
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			x												
11V. Chloroform (67-66-3)			x												
12V. Dichloro-bromomethane (75-71-8)			x												
14V. 1,1-Dichloroethane (75-34-3)			x												
15V. 1,2-Dichloroethane (107-06-2)			x												
16V. 1,1-Dichlorethylene (75-35-4)			x												
17V. 1,2-Di-chloropropane (78-87-5)			x												
18V. 1,3-Dichloropro-pylene (452-75-6)			x												
19V. Ethyl-benzene (100-41-4)			x												
20V. Methyl Bromide (74-83-9)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
21V. Methyl Chloride (74-87-3)			x												
22V. Methylene Chloride (75-00-2)			x												
23V. 1,1,2,2-Tetrachloro-ethane (79-34-5)			x												
24V. Tetrachloro-ethylene (127-18-4)			x												
25V. Toluene (108-88-3)			x												
26V. 1,2-Trans-Dichloro-ethylene (156-60-5)			x												
27V. 1,1,1-Tri-chloroethane (71-55-6)			x												
28V. 1,1,2-Tri-chloroethane (79-00-5)			x												
29V. Trichloro-ethylene (79-01-6)			x												
30V. Vinyl Chloride (75-01-4)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chloro-phenol (95-57-8)			x												
2A. 2,4-Dichlor-Orophenol (120-83-2)			x												
3A. 2,4-Dimeth-ylphenol (105-67-9)			x												
4A. 4,6-Dinitro-o-cresol (534-52-1)			x												
5A. 2,4-Dinitro-phenol (51-28-5)			x												
6A. 2-Nitro-phenol (88-75-5)			x												
7A. 4-Nitro-phenol (100-02-7)			x												
8A. P-chloro-m-cresol (59-50-7)			x												
9A. Pentachloro-phenol (87-88-5)			x												
10A. Phenol (108-05-2)			x												
11A. 2,4,6-Tri-chlorophenol (88-06-2)			x												
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acena-phthene (83-32-9)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acenaphtylene (208-96-8)			x												
3B. Anthracene (120-12-7)			x												
4B. Benzidine (92-87-5)			x												
5B. Benzo(a)-anthracene (56-55-3)			x												
6B. Benzo(a)-pyrene (50-32-8)			x												
7B. 3,4-Benzofluoranthene (205-99-2)			x												
8B. Benzo(ghl) perylene (191-24-2)			x												
9B. Benzo(k)-fluoranthene (207-08-9)			x												
10B. Bis(2-chloroethoxy)-methane (111-91-1)			x												
11B. Bis (2-chloroisopropyl)-Ether			x												
12B. Bis (2-ethylhexyl)-phthalate (117-81-7)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			x												
14B. Butyl-benzyl phthalate (85-68-7)			x												
15B. 2-Chloro-naphthalene (7005-72-3)			x												
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			x												
17B. Chrysene (218-01-9)			x												
18B. Dibenzo-(a,h) Anthracene (53-70-3)			x												
19B. 1,2-Dichloro-benzene (95-50-1)			x												
20B. 1,3-Dichloro-Benzene (541-73-1)			x												
21B. 1,4-Dichloro-benzene (106-46-7)			x												
22B. 3,3-Dichloro-benzidene (91-94-1)			x												
23B. Diethyl Phthalate (84-66-2)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			x												
25B. Di-N-butyl Phthalate (84-74-2)			x												
26B. 2,4-Dinitro-toluene (121-14-2)			x												
27B. 2,6-Dinitro-toluene (606-20-2)			x												
28B. Di-n-octyl Phthalate (117-84-0)			x												
29B. 1,2-diphenyl-hydrazine (as azonbenzene) (122-66-7)			x												
30B. Fluoranthene (208-44-0)			x												
31B. Fluorene (86-73-7)			x												
32B. Hexachloro-benzene (118-71-1)			x												
33B. Hexachloro-butadiene (87-68-3)			x												
34B. Hexachloro-cyclopenta-diene (77-47-4)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachloroethane (67-72-1)			x												
36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5)			x												
37B. Isophorone (78-59-1)			x												
38B. Napthalene (91-20-3)			x												
39B. Nitrobenzene (98-95-3)			x												
40B. N-Nitrosodimethylamine (62-75-9)			x												
41B. N-nitrosodi-n-propylamine (621-64-7)			x												
42B. N-nitrosodiphenylamine (86-30-6)			x												
43B. Phenanthrene (85-01-8)			x												
44B. Pyrene (129-00-0)			x												
45B. 1,2,4 Trichlorobenzene (120-82-1)			x												

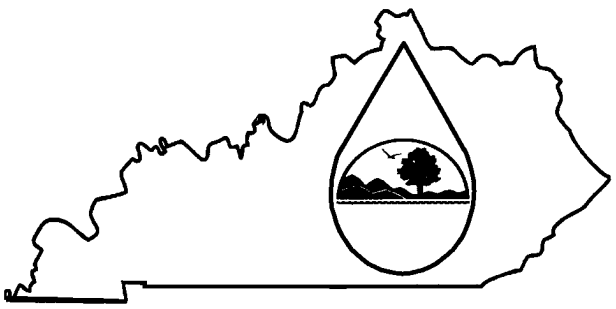
Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			x												
2P. α-BHC (319-84-6)			x												
3P. β-BHC (58-89-9)			x												
4P. gamma-BHC (58-89-9)			x												
5P. δ-BHC (319-86-8)			x												
6P. Chlordane (57-74-9)			x												
7P. 4,4'-DDT (50-29-3)			x												
8P. 4,4'-DDE (72-55-9)			x												
9P. 4,4'-DDD (72-54-8)			x												
10P. Dieldrin (60-57-1)			x												
11P. α-Endosulfan (115-29-7)			x												
12P. β-Endosulfan (115-29-7)			x												
13P. Endosulfan Sulfate (1031-07-8)			x												
14P. Endrin (72-20-8)			x												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			x												
16P Heptachlor (76-44-8)			x												
17P. Heptaclor Epoxide (1024-57-3)			x												
18P. PCB-1242 (53469-21-9)			x												
19P. PCB-1254 (11097-69-1)			x												
20P. PCB-1221 (11104-28-2)			x												
21P. PCB-1232 (11141-16-5)			x												
22P. PCB-1248 (12672-29-6)			x												
23P. PCB-1260 (11096-82-5)			x												
24P. PCB-1016 (12674-11-2)			x												
25P. Toxaphene (8001-35-2)			x												

KPDES FORM F



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, Contact KPDES Branch, (502) 564-3410.

I. OUTFALL LOCATION	AGENCY USE							

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and name the receiving water.

A. Outfall Number	B. Latitude			C. Longitude			D. Receiving Water (name)
001	36	48	34	87	24	52	storm water retention pond which runs into the on-site quarry lake
002	36	48	24	87	24	59	drainage ditch which runs into the Rock Bridge of the South Fork of the Little River
003	36	48	26	87	25	03	drainage ditch which runs into the on-site quarry lake
004	36	48	29	87	25	05	same as 002

II. IMPROVEMENTS

A. Are you now required by any federal, state, or local authority to meet any implementaiton schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls No.	Source of Discharge	3. Brief Description of Project	4. Final Compliance Date a. req.	b. proj.
N/A					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. SITE DRAINAGE MAP

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each know past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each

Revised June 1999

of its hazardous waste treatment, storage of disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

IV. NARRATIVE DESCRIPTION OF POLLUTANT SOURCES

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	2 acres	7 acres	002	0.5 acres	1 acre
003	0.5 acre	1 acre	004	0.5 acres	1 acre

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Product (ethanol) storage tanks are located outdoors in a secondary containment area. The storage tanks and containment are inspected daily for the presence of leaks that could impact storm water.
Commercially-available weed killers (e.g., Round-Up) are sprayed periodically to gravel areas and along fence lines. No soil conditioners or fertilizers are applied.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table F-1
001 - 004	no pretreatment	N/A

V. NON-STORM WATER DISCHARGES

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-storm water discharges, and that all non-storm water discharges from these outfall(s) are identified in either an accompanying Form C or Form SC application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
Mick Henderson - General Manager		June 30, 2008

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A visual inspection is performed during each storm water sampling event for the presence non-storm water discharges.

VI. SIGNIFICANT LEAKS OR SPILLS

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

N/A

VII. DISCHARGE INFORMATION

A,B,C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables F-1, F-2, and F-3 are included on separate pages.

E: Potential discharges not covered by analysis - is any toxic pollutant listed in Table F-2, F-3, or F-4, a substance which you currently use or manufacture as an intermediate or final product or by product.

☐ Yes (list all such pollutants below) ☒ No (go to Section IX)

VIII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (list all such results below) ☒ No (go to Section IX)

IX. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in item VII performed by a contract laboratory or consulting firm?

☐ Yes (list the name, address and telephone number of, and pollutants analyzed by each such laboratory or firm below; use additional sheets if necessary).

☒ No (go to Section IX)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed

X. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

NAME & OFFICIAL TITLE (type or print)	AREA CODE AND PHONE NO.
Mick Henderson - General Manager	(270) 475-4415
SIGNATURE 	**DATE SIGNED** June 30, 2008

VII. DISCHARGE INFORMATION	OUTFALL NO: 001

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	2.2 mg/L	N/A			1*	
Biological Oxygen Demand BOD_5						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)	13 mg/L				1*	
Total Kjeldahl Nitrogen						
Nitrate plus Nitrite Nitrogen						
Total Phosphorus						
pH	Minimum 7.69	Maximum	Minimum	Maximum	1*	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
TSS	13 mg/L				1*	
Chromium	< 0.005 mg/L				1*	
TDS	141 mg/L				1*	
Hardness(as CaCO3)	91.8 mg/L				1*	
Antimony	< 0.01 mg/L				1*	
Arsenic	< 0.01 mg/L				1*	
Berylium	< 0.001 mg/L				1*	
Cadmium	< 0.002 mg/L				1*	
Calcium	28.9 mg/L				1*	
Copper	0.006 mg/L				1*	
Lead	< 0.006 mg/L				1*	
Oil and Grease	2.2 mg/L				1*	
Mercury	< 0.0002 mg/L				1*	
Nickel	< 0.005 mg/L				1*	
Selenium	< 0.01 mg/L				1*	
Silver	< 0.005 mg/L				1*	
Thallium	< 0.02 mg/L				1*	
Zinc	0.011 mg/L				1*	

* DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Nitrate-Nitrite						
Sulfate						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
*	*	*	*	*	*

7. Provide a description of the method of flow measurement or estimate.

Flow measured at wier.

VII. DISCHARGE INFORMATION	OUTFALL NO: 002

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	< 1.7 mg/L	N/A			1*	
Biological Oxygen Demand BOD_5						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)	13 mg/L				1*	
Total Kjeldahl Nitrogen						
Nitrate plus Nitrite Nitrogen						
Total Phosphorus						
pH	Minimum 7.53	Maximum	Minimum	Maximum	1*	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
TSS	13 mg/L				1*	
O & G	< 1.7 mg/L				1*	
Chromium	< 0.005 mg/L				1*	
Hardness(as CaCO3)	108 mg/L				1*	
Antimony	< 0.01 mg/L				1*	
Arsenic	< 0.01 mg/L				1*	
Berylium	< 0.001 mg/L				1*	
Cadmium	< 0.002 mg/L				1*	
Calcium	35.5 mg/L				1*	
Copper	< 0.005 mg/L				1*	
Lead	< 0.006 mg/L				1*	
Mercury	< 0.0002 mg/L				1*	
Nickel	< 0.005 mg/L				1*	
Selenium	< 0.01 mg/L				1*	
Silver	< 0.005 mg/L				1*	
Thallium	< 0.02 mg/L				1*	
Zinc	< 0.01 mg/L				1*	

* DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Nitrate-Nitrite						
Sulfate						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
*	*	*	*	*	*

7. Provide a description of the method of flow measurement or estimate.

Bucket and stopwatch method.

VII. DISCHARGE INFORMATION	OUTFALL NO: 003

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	2.2 mg/L	N/A			1*	
Biological Oxygen Demand BOD_5						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)	10 mg/L				1*	
Total Kjeldahl Nitrogen						
Nitrate plus Nitrite Nitrogen						
Total Phosphorus						
pH	Minimum 7.94	Maximum	Minimum	Maximum	1*	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
TSS	10 mg/L				1*	
O & G	2.2 mg/L				1*	
Chromium	< 0.005 mg/L				1*	
Hardness(as CaCO3)	108 mg/L				1*	
Antimony	< 0.01 mg/L				1*	
Arsenic	< 0.01 mg/L				1*	
Berylium	< 0.001 mg/L				1*	
Cadmium	< 0.002 mg/L				1*	
Calcium	35.3 mg/L				1*	
Copper	0.006 mg/L				1*	
Lead	< 0.006 mg/L				1*	
Mercury	< 0.0002 mg/L				1*	
Nickel	< 0.005 mg/L				1*	
Selenium	< 0.01 mg/L				1*	
Silver	< 0.005 mg/L				1*	
Thallium	< 0.02 mg/L				1*	
Zinc	< 0.01 mg/L				1*	

* DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Nitrate-Nitrite						
Sulfate						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
*	*	*	*	*	*

7. Provide a description of the method of flow measurement or estimate.

Bucket and stopwatch method.

VII. DISCHARGE INFORMATION	OUTFALL NO: 004

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	1.8 mg/L	N/A			1*	
Biological Oxygen Demand BOD_5						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)	11 mg/L				1*	
Total Kjeldahl Nitrogen						
Nitrate plus Nitrite Nitrogen						
Total Phosphorus						
pH	Minimum 7.88	Maximum	Minimum	Maximum	1*	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
TSS	11 mg/L				1*	
O & G	1.8 mg/L				1*	
Chromium	< 0.005 mg/L				1*	
Hardness(as CaCO3)	97.7 mg/L				1*	
Antimony	< 0.01 mg/L				1*	
Arsenic	< 0.01 mg/L				1*	
Berylium	< 0.001 mg/L				1*	
Cadmium	< 0.002 mg/L				1*	
Calcium	30.4 mg/L				1*	
Copper	< 0.005 mg/L				1*	
Lead	< 0.006 mg/L				1*	
Mercury	< 0.0002 mg/L				1*	
Nickel	< 0.005 mg/L				1*	
Selenium	< 0.01 mg/L				1*	
Silver	< 0.005 mg/L				1*	
Thallium	< 0.02 mg/L				1*	
Zinc	0.065 mg/L				1*	

* DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Nitrate-Nitrite						
Sulfate						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
*	*	*	*	*	*

7. Provide a description of the method of flow measurement or estimate.

Bucket and stopwatch method.

ATTACHMENTS

USGS Topographic Map

A 7 1/2–minute quadrangle USGS topographic map for the Hopkinsville, Kentucky Quadrangle is attached for reference. Please note that the Quarry Lake is significantly larger than shown in the USGS topographic map (revision date on the map is 1982). A vicinity map prepared in 1999 that shows the current size of the Quarry Lake is also enclosed for reference. The vicinity map was obtained from the Quarry Safe Yield Report that was prepared for the Hopkinsville Water Environment Authority.

Site Plan

A site plan showing the loading and access areas, processing building, and proposed equipment layout is attached for reference. The product (ethanol) storage tanks are located outdoors and could potentially impact storm water discharge. The product storage tanks and associated containment area will be inspected daily for the presence of leaks that could impact storm water discharge. A formal, written Best Management Practices (BMP) Plan was developed that establishes on-site emergency coordinators and procedures that will be implemented in the event of a leak or spill that could impact storm water discharge.

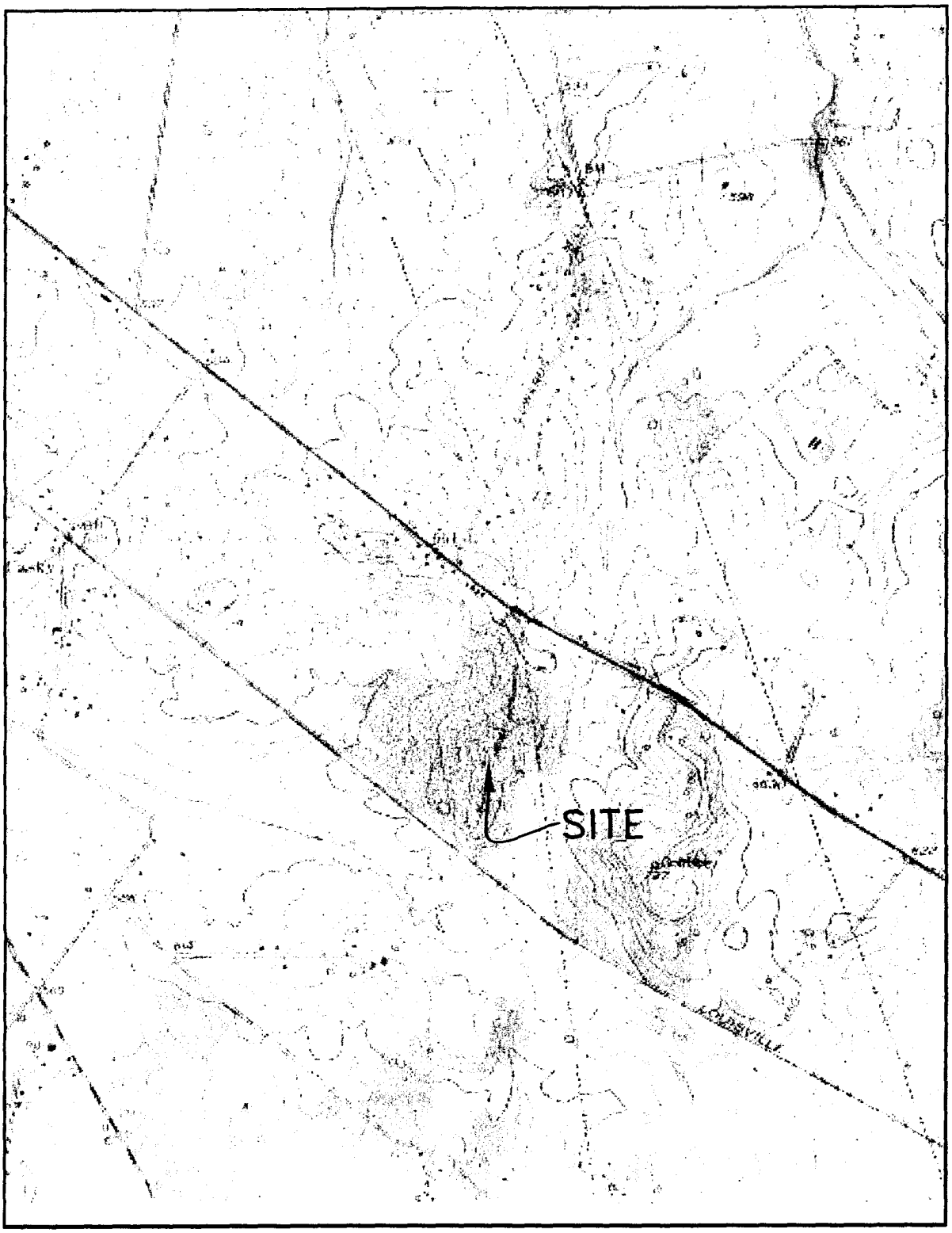
Property Boundary Layout

A drawing showing property boundaries and survey data is attached for reference. The on-site Casky Quarry Lake is shown in this drawing. Outfall 001 discharges into a storm water retention pond, which runs into the on-site quarry lake. Outfalls 002 and 004 discharge to a drainage ditch, which runs into the Rock Bridge Branch of the South Fork of the Little River. Outfall 003 discharges into a drainage ditch, which runs into the on-site quarry lake.

This drawing also shows the proposed locations of (a) water intake, (b) pump and flow meter, (c) course and direction of flow at the site, (d) course of water being recycled [at reverse osmosis unit and cooling tower], and (e) location of process water (non-contact cooling and blow downs) discharge. There will be no hazardous waste treatment, storage, or disposal units. There will be no underground injection on site.

Water Flow Line Drawing

A general line drawing showing water flow through the facility is attached for reference.



0 1000' 2000'

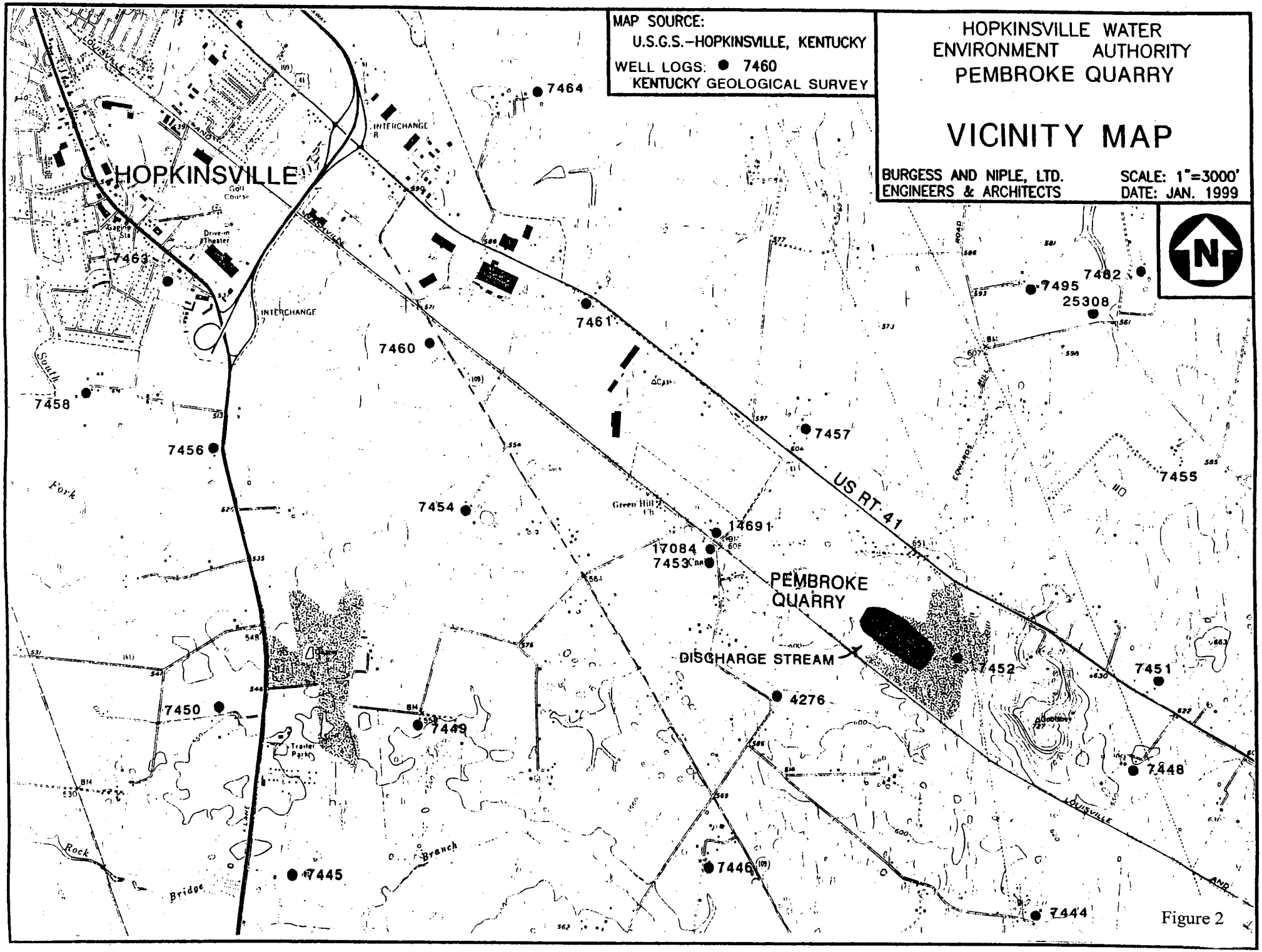
REF: USGS 7.5 MINUTE SERIES
KENTUCKY– HOPKINSVILLE QUADRANGLE

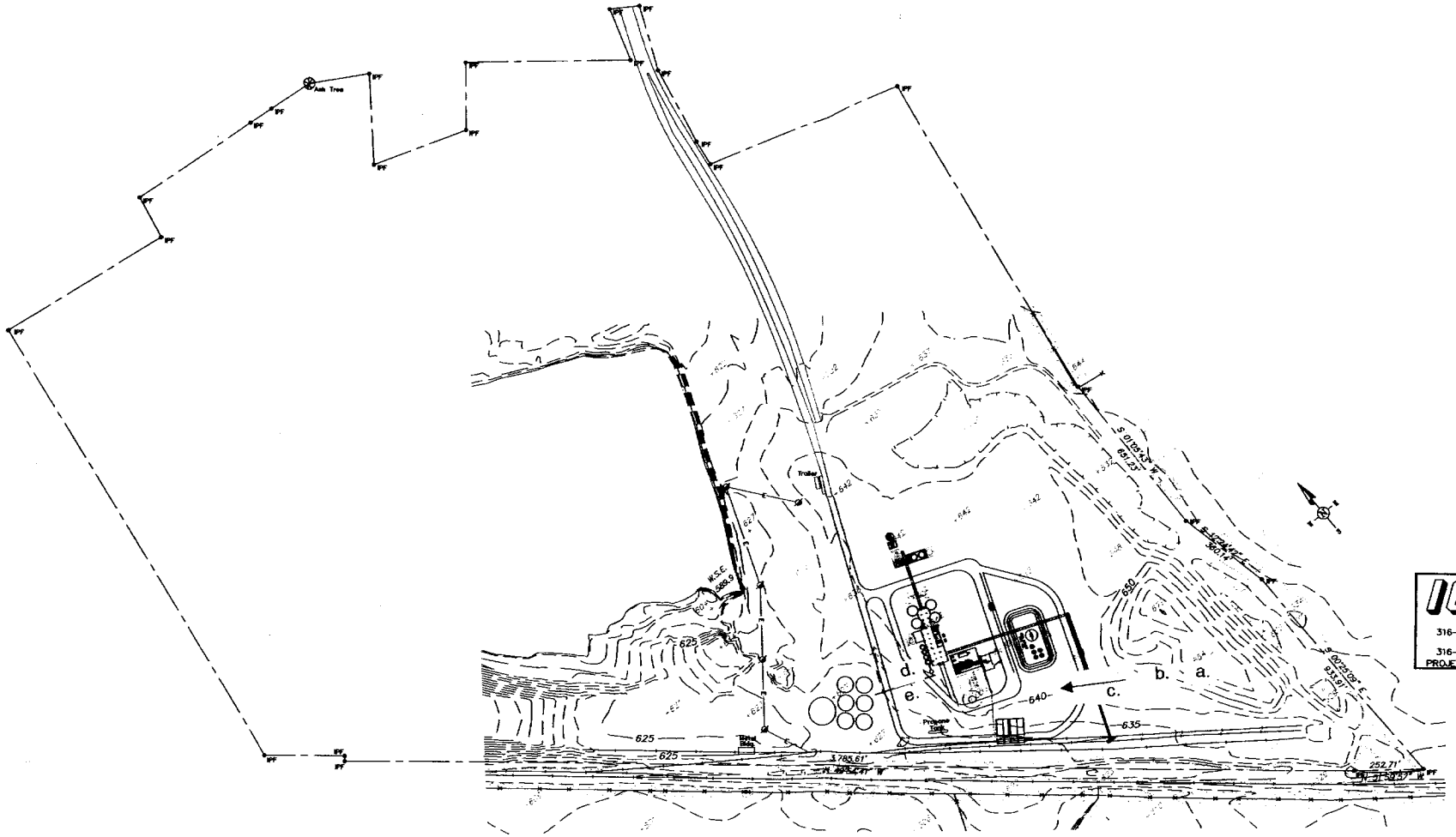
HERITAGE ENVIRONMENTAL SERVICES,
7901 WEST MORRIS STREET
INDIANAPOLIS, INDIANA

Project: COMMONWEALTH AGRI-ENERGY, LLC Hopkinsville, Kentucky	
Scale: 1"=2000'	Drawn By: J.CLARK
Project Number: 912853	Approved By: MW
Date: October 24, 2008	CAD File:

Figure 1

SITE LOCATION MAP


MAP SOURCE:
U.S.G.S.–HOPKINSVILLE, KENTUCKY
WELL LOGS: ● 7460
KENTUCKY GEOLOGICAL SURVEY
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY
PEMBROKE QUARRY
VICINITY MAP
BURGESS AND NIPLE, LTD.
ENGINEERS & ARCHITECTS
SCALE: 1"=3000'
DATE: JAN. 1999
N
HOPKINSVILLE
INTERCHANGE 8
INTERCHANGE 7
US RT. 41
PEMBROKE QUARRY
DISCHARGE STREAM
7464
7463
7461
7460
7458
7457
7456
7455
7454
14691
17084
7453
7452
7451
4276
7450
7449
7448
7446
7445
7444
7482
7495
25308
Figure 2



ICM INDUSTRY CONSULTING & MARKETING
PHONE 316-796-0900
FAX 316-796-0570
P.O.BOX 397
310 N 1st
COLWICH KS.
67030-0397

PROJECT NO.:

FOGEN ENGINEERING LLC
CIVIL – STRUCTURAL – MECHANICAL – ELECTRICAL ENGINEERS
501 West Highway 212, P.O. Box 159
Granite Falls, MN 56241 Tel. 320-564-4573

COMMONWEALTH AGRI-ENERGY
ETHANOL PRODUCTION FACILITY
HOPKINSVILLE, KENTUCKY

PROPERTY BOUNDARY LAYOUT

DRAWN: TBT
CHK'D: TBT
DATE: 12/18/01
SCALE: 1"=400'

JOB NUMBER
EG 1503

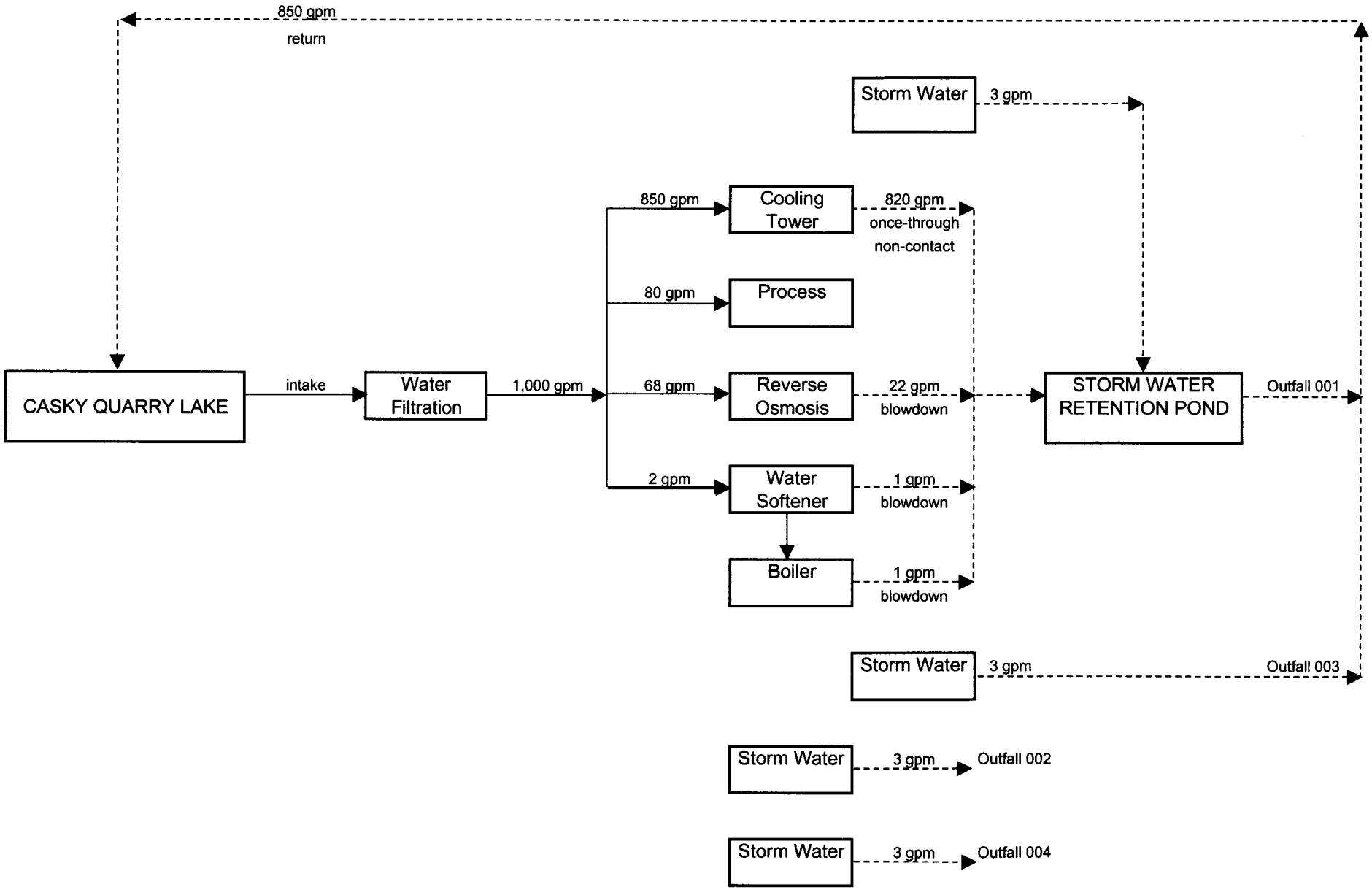
SHEET NUMBER
G-2

REVISION NUMBER 0

12/18/01

WATER FLOW LINE DRAWING

Commonwealth Agri-Energy - Hopkinsville, KY

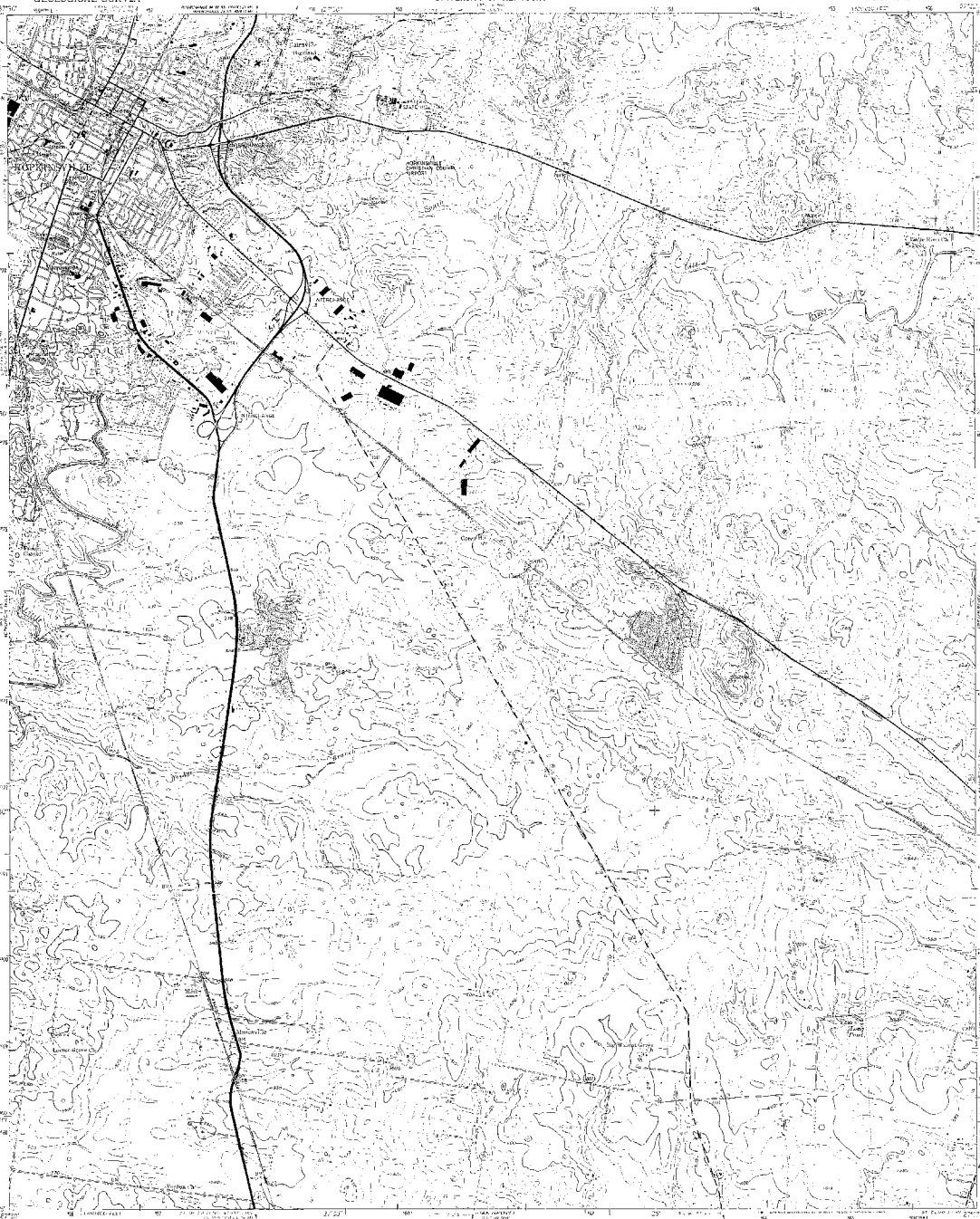


waterflow08.xls
June 27, 2008

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF KENTUCKY
KENTUCKY GEOLOGICAL SURVEY
UNIVERSITY OF KENTUCKY

HOPKINSVILLE QUADRANGLE
KENTUCKY—CHRISTIAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
36087-C4-TF-024/GEOMAILE



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Culture and drainage in part compiled from aerial photographs taken 1949. Topography by photogrammetric methods. Revised 1956

Polyconic projection. 10,000-foot grid ticks based on Kentucky coordinate system, south zone. 1000-meter Universal Transverse Mercator grid ticks, zone 16, shown in blue. 1927 North American Datum. To place on the predecessor North American Datum, 1983 move the projection lines 5 meters south and 7 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is not field checked. Map edited 1962

Purple tint indicates extension of urban areas

ROAD CLASSIFICATION

Primary highway — Light duty — Improved dirt

Secondary highway — Unimproved dirt

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
KENTUCKY GEOLOGICAL SURVEY, LEXINGTON, KENTUCKY 40506
AND KENTUCKY DEPARTMENT OF COMMERCE, FRANKFORT, KENTUCKY 40601
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple and hachuring compiled in cooperation with State of Kentucky agencies from aerial photographs taken 1981 and other sources. Contours adjusted to datum placement and hydrographic features. This information not field checked. Map edited 1985

HOPKINSVILLE, KY.
SW/4 CADIZ 15' QUADRANGLE
N3630—W8727.5/7.5

1956
PHOTOREVISED 1987
DMA 1053 IV SW—SERIES V853